

Title (en)

BOLUS WITH ANIMAL ID AND TEMPERATURE TRANSPONDER

Title (de)

BOLUS MIT TIERKENNZEICHNUNG UND TEMPERATURTRANSPONDER

Title (fr)

BOL DOTE D'UN IDENTIFICATEUR D'ANIMAL ET D'UN TRANSPONDEUR DE TEMPERATURE

Publication

EP 1009224 B1 20030312 (EN)

Application

EP 98911939 A 19980324

Priority

- US 9805645 W 19980324
- US 84354197 A 19970418

Abstract (en)

[origin: US6012415A] A method and apparatus for remotely reading programmed and programmable memories implanted in livestock and particularly, ruminants, for maintaining animal identification, temperature, medical history, etc. A bolus is commonly implanted in the rumen or first stomach of such an animal to prevent "Tarmumatic Reticulooperitonitis" commonly known as hardware disease in cattle. This disclosure is directed to utilizing a bolus formed from a rectilinear ferrite block magnet of sufficient dimensions and weight for its purpose and attaching a transponder chip to the outer surface of the bolus and including on that chip a plurality of memories capable of having the animal identification on one memory, a temperature sensing device, a programmable memory for programming medical information during the life of the animal and additional memories or specific sensing device which can be read or programmed external of the animal by means of a reader/programmer which can activate and power the transponder chip to make selected memory readings or programming. An antenna for the transponder operation is wrapped around the bolus magnet and attached thereto. A protective sleeve may be utilized to ease implant of the device.

IPC 1-7

A01K 29/00; **A61B 5/00**; **A01K 11/00**

IPC 8 full level

A01K 11/00 (2006.01); **A01K 29/00** (2006.01); **A61B 5/01** (2006.01); **A61B 5/07** (2006.01)

CPC (source: EP US)

A01K 11/00 (2013.01 - EP US); **A01K 11/007** (2013.01 - EP US); **A01K 29/00** (2013.01 - EP US); **A61B 5/073** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9847350 A1 19981029; AT E234000 T1 20030315; AU 6577998 A 19981113; AU 733021 B2 20010503; CA 2286629 A1 19981029; CA 2286629 C 20060822; DE 69812115 D1 20030417; DE 69812115 T2 20031016; EP 1009224 A1 20000621; EP 1009224 A4 20020130; EP 1009224 B1 20030312; ES 2196552 T3 20031216; PT 1009224 E 20030731; US 6012415 A 20000111

DOCDB simple family (application)

US 9805645 W 19980324; AT 98911939 T 19980324; AU 6577998 A 19980324; CA 2286629 A 19980324; DE 69812115 T 19980324; EP 98911939 A 19980324; ES 98911939 T 19980324; PT 98911939 T 19980324; US 84354197 A 19970418